

ABSTRACT

An injection molding apparatus provided with a central control and with a screw which extends in a cylinder, which cylinder is provided with a filing opening and with a nozzle, the screw being drivingly connected with two controllable electric motors such that a movement in rotational and/or axial sense can be imposed on the screw, the driving connection comprising a number of cylindrical planetary rollers accommodated for rotation in a planetary cage such that the planetary rollers can be engaged from a space located radially outside the planetary cage and a space located radially within the planetary cage, the planetary cage being connected to the screw in a manner secured against rotation, while a first drive part connected with a rotor of the first electric motor, is provided with a first engaging surface facing radially inward which engages the planetary rollers from the space located radially outside the planetary cage, while a second drive part, connected with a rotor of the second electric motor is provided with a second engaging surface facing outwards which engages the planetary rollers from a space located radially within the planetary cage.